Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

- 1. (currently amended) A compound comprising:
 - (a) one or more MHC class I α 3 complexes; and
- (b) an antibody or a fragment thereof which binds specific for a cell surface marker;

wherein said MHC class I $\alpha 3$ complexes comprise an isolated MHC class I $\alpha 3$ domain or fragment thereof which binds to a β_2 -microglobulin, a β_2 -microglobulin molecule or fragment thereof which associates with a MHC class I $\alpha 3$ domain, and an antigenic peptide; and

wherein said MHC class I $\alpha 3$ complexes are linked to said antibody or fragment thereof.

- 2. (original) The compound of claim 1, wherein said antigenic peptide is linked to said β_2 -microglobulin molecule or fragment thereof.
- 3. (original) The compound of claim 2, wherein said antigenic peptide is covalently bound to said β_2 -microglobulin molecule or fragment thereof.
- 4. (original) The compound of claim 1, wherein said β_2 -microglobulin molecule or fragment thereof has been modified to have enhanced affinity for the intact MHC class I α chain relative to the isolated MHC class I α 3 domain or fragment thereof.

- 5. (original) The compound of claim 4, wherein said β_2 -microglobulin molecule or fragment thereof has a serine to valine mutation at amino acid 55 of the mature protein.
- 6. (withdrawn) The compound of claim 1, wherein said cell surface marker is a cell surface marker of a professional antigen presenting cell.
- 7. (withdrawn) The compound of claim 6, wherein said professional antigen presenting cell is a dendritic cell.
- 8. (withdrawn) The compound of claim 7, wherein said cell surface marker is selected from the group consisting of CD83, CMRF-44, CMRF-56, BCDA-2, BCDA-3, BCDA-4, and DEC-205.
- 9. (original) The compound of claim 1, wherein said cell surface marker is a cell surface marker of a tumor cell.
- 10. (withdrawn) The compound of claim 1, wherein said cell surface marker is a cell surface marker of an epithelial cell.
- 11. (withdrawn) The compound of claim 1, wherein said cell surface marker is a cell surface marker of a fibroblast.
- 12. (withdrawn) The compound of claim 1, wherein said cell surface marker is a cell surface marker of a T cell.
- 13. (withdrawn) The compound of claim 12, wherein said cell surface marker is selected from the group consisting of CD28, CTLA-4 and CD25.
- 14. (withdrawn) The compound of claim 1, wherein said cell surface marker is a cell surface marker of an infected cell.

- 15. (withdrawn) The compound of claim 1, wherein said antigenic peptide is derived from a cancer cell.
- 16. (original) The compound of claim 1, wherein said antigenic peptide is derived from an infectious agent or from infected cells.
- 17. (withdrawn) The compound of claim 1, wherein said antigenic peptide is derived from the target tissue of an autoimmune disease.
- 18. (withdrawn) The compound of claim 9, wherein said antigenic peptide is derived from a cancer cell.
- 19. (original) The compound of claim 1, wherein said isolated MHC class I $\alpha 3$ domain or fragment thereof is linked to a carboxyl terminus of said antibody or fragment thereof.

20. (withdrawn) A compound comprising:

- (a) one or more MHC class I α 3 complexes; and
- (b) an antibody or a fragment thereof specific for a cell surface marker;

wherein said MHC class I $\alpha 3$ complexes comprise one ore more isolated MHC class I $\alpha 3$ domains or fragments thereof, a β_2 -microglobulin molecule or fragment thereof, and a costimulatory molecule; and

wherein said MHC class I $\alpha 3$ complexes are linked to said antibody or fragment thereof.

21. (withdrawn) The compound of claim 20, wherein said costimulatory molecule is linked to said β_2 -microglobulin molecule or fragment thereof.

- 22. (withdrawn) The compound of claim 21, wherein said costimulatory molecule is covalently bound to said β_2 -microglobulin molecule or fragment thereof.
- 23. (withdrawn) The compound of claim 20, wherein said β_2 -microglobulin molecule or fragment thereof has been modified to have enhanced affinity for the intact MHC class I α chain relative to the isolated MHC class I α 3 domain thereof.
- 24. (withdrawn) The compound of claim 20, wherein said β_2 -microglobulin molecule or fragment thereof has a serine to valine mutation at amino acid 55 of the mature protein.
- 25. (withdrawn) The compound of claim 20, wherein said cell surface marker is a cell surface marker of a professional antigen presenting cell.
- 26. (withdrawn) The compound of claim 25, wherein said professional antigen presenting cell is a dendritic cell.
- 27. (withdrawn) The compound of claim 26, wherein said cell surface marker is selected from the group consisting of CD83, CMRF-44, CMRF-56, BCDA-2, BCDA-3, BCDA-4, and DEC-205.
- 28. (withdrawn) The compound of claim 20, wherein said cell surface marker is a cell surface marker of a tumor cell.
- 29. (withdrawn) The compound of claim 20, wherein said cell surface marker is a cell surface marker of an epithelial cell.
- 30. (withdrawn) The compound of claim 20, wherein said cell surface marker is a cell surface marker of a fibroblast.

- 31. (withdrawn) The compound of claim 20, wherein said cell surface marker is a cell surface marker of a T cell.
- 32. (withdrawn) The compound of claim 31, wherein said cell surface marker is selected from the group consisting of CD28, CTLA-4 and CD25.
- 33. (withdrawn) The compound of claim 20, wherein said cell surface marker is a cell surface marker of an infected cell.
- 34. (withdrawn) The compound of claim 20, wherein said costimulatory molecule is selected from the group consisting of B7.1 and B7.2.
- 35. (withdrawn) The compound of claim 20, wherein said isolated MHC class I α 3 domain or fragment thereof is linked to the carboxyl terminus of said antibody or fragment thereof.
 - 36. (withdrawn) A compound comprising:
 - (a) two or more MHC class I α 3 complexes;
 - (b) a multivalent compound; and
- (c) an antibody or a fragment thereof specific for a cell surface marker;

wherein said MHC class I $\alpha 3$ complexes comprise one or more isolated MHC class I $\alpha 3$ domains or fragment thereof, one or more β_2 -microglobulins or fragment thereof, and one or more molecules selected from the group consisting of antigenic peptides, costimulatory molecules, and cytokines;

wherein said MHC class I $\alpha 3$ complexes are linked to said multivalent compound; and wherein said multivalent compound is linked to said antibody.

37. (withdrawn) The compound of claim 36, wherein said one or more molecules are linked to said β_2 -microglobulin or fragment thereof.

- 38. (withdrawn) The compound of claim 37, wherein said one or more molecules are covalently bound to said β_2 -microglobulin or fragment thereof.
- 39. (withdrawn) The compound of claim 36, wherein said β_2 -microglobulin molecule or fragment thereof has been modified to have enhanced affinity for the intact MHC class I α chain relative to the isolated MHC class I α 3 domain thereof.
- 40. (withdrawn) The compound of claim 36, wherein said β_2 -microglobulin or fragment thereof has a serine to valine mutation at amino acid 55 of the mature protein.
- 41. (withdrawn) The compound of claim 36, wherein said cell surface marker is a cell surface marker of a professional antigen presenting cell.
- 42. (withdrawn) The compound of claim 41, wherein said professional antigen presenting cell is a dendritic cell.
- 43. (withdrawn) The compound of claim 42, wherein said cell surface marker is selected from the group consisting of CD83, CMRF-44, CMRF-56, BCDA-2, BCDA-3, BCDA-4, and DEC-205.
- 44. (withdrawn) The compound of claim 36, wherein said cell surface marker is a cell surface marker of a tumor cell.
- 45. (withdrawn) The compound of claim 36, wherein said cell surface marker is a cell surface marker of an epithelial cell.
- 46. (withdrawn) The compound of claim 36, wherein said cell surface marker is a cell surface marker of a fibroblast.

- 47. (withdrawn) The compound of claim 36, wherein said cell surface marker is a cell surface marker of a T cell.
- 48. (withdrawn) The compound of claim 47, wherein said cell surface marker is selected from the group consisting of CD28, CTLA-4 and CD25.
- 49. (withdrawn) The compound of claim 36, wherein said antigenic peptide is derived from a cancer cell.
- 50. (withdrawn) The compound of claim 36, wherein said antigenic peptide is derived from an infectious agent or from infected cells.
- 51. (withdrawn) The compound of claim 36, wherein said antigenic peptide is derived from the target tissue of an autoimmune disease.
- 52. (withdrawn) The compound of claim 36, comprising one ore more cytokines selected from the group consisting of B7.1 and B7.2.
- 53. (withdrawn) The compound of claim 36, comprising one or more cytokines selected from the group consisting of: IL-1, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL- 13, IL-14, IL-15, IL-16, IL-17, IL-18, α interferons, ω interferons, γ interferons, τ interferon, colony stimulating, granulocytemacrophage colony stimulating factor, transforming growth factor, and insulin-like growth factors.
- 54. (withdrawn) The compound of claim 36, wherein said multivalent compound is avidin.
- 55. (withdrawn) The compound of claim 36, wherein said multivalent compound is selected from the group consisting of streptavidin and chicken avidin.

- 56. (withdrawn) The compound of claim 36, wherein said multivalent compound is a modified GCN4-zipper motif.
 - 57. (withdrawn) A polynucleotide encoding a compound comprising:
 - (a) one or more MHC class I α3 chains; and
- (b) an antibody or fragment thereof specific for a cell surface marker; wherein said MHC class I $\alpha 3$ chains are linked to said antibody or fragment thereof.
- 58. (withdrawn) A method of immunizing an animal, comprising administering to said animal the compound of claim 1.
- 59. (withdrawn) A method of immunizing an animal, comprising administering to said animal the compound of claim 20.
- 60. (withdrawn) A method of immunizing an animal, comprising administering to said animal the compound of claim 36.
- 61. (new) The compound of claim 1, wherein said antibody or fragment thereof is selected from the group consisting of an Fab, F(ab')2, Fv, scFv, and dAb fragment.